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PR60235USW SEQ LIST

SEQUENCE LISTING

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<120> CAR LIGAND-BINDING DOMAIN POLYPEPTIDE CO-CRYSTALLIZED WITH A LIGAND, AND METHODS OF DESIGNING LIGANDS THAT MODULATE CAR ACTIVITY

<130> PR60235

<150> 60/488,415
<151> 2003-07-18

<160> 7

<170> PatentIn version 3.2

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<212> DNA
<213> Homo sapiens

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tccaaatcaact ggcaactcct gagatcagag gaaaaccagc aacagcgtgg gagtttgggg 180
agaggcattc cataccagat tctgtggcct gcaggtgaca tgctgcctaa gagaagcagg 240
agtctgtgac agccacccca acacgtgacg tc atg gcc agt agg gaa gat gag 293
Met Ala Ser Arg Glu Asp Glu
1 5
ctg agg aac tgt gtg gta tgt ggg gac caa gcc aca ggc tac cac ttt 341
Leu Arg Asn Cys Val Val Cys Gly Asp Gln Ala Thr Gly Tyr His Phe
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aat gcg ctg act tgt gag ggc tgc aag ggt ttc ttc agg aga aca gtc 389
Asn Ala Leu Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Val
25 30 35
agc aaa agc att ggt ccc acc tgc ccc ttt gct gga agc tgt gaa gtc 437
Ser Lys Ser Ile Gly Pro Thr Cys Pro Phe Ala Gly Ser Cys Glu Val
40 45 50 55
agc aag act cag agg cgc cac tgc cca gcc tgc agg ttg cag aag tgc 485
Ser Lys Thr Gln Arg Arg His Cys Pro Ala Cys Arg Leu Gln Lys Cys
60 65 70
tta gat gct ggc atg agg aaa gac atg ata ctg tcg gca gaa gcc ctg 533
Leu Asp Ala Gly Met Arg Lys Asp Met Ile Leu Ser Ala Glu Ala Leu
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Val Gln Leu Ser Lys Glu Gln Glu Glu Leu Ile Arg Thr Leu Leu Gly	
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gcc cac acc cgc cac atg ggc acc atg ttt gaa cag ttt gtg cag ttt	677
Ala His Thr Arg His Met Gly Thr Met Phe Glu Gln Phe Val Gln Phe	
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Ala Pro Val Leu Pro Leu Val Thr His Phe Ala Asp Ile Asn Thr Phe	
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Met Val Leu Gln Val Ile Lys Phe Thr Lys Asp Leu Pro Val Phe Arg	
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Glu Ile Cys His Ile Val Leu Asn Thr Thr Phe Cys Leu Gln Thr Gln	
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Asn Phe Leu Cys Gly Pro Leu Arg Tyr Thr Ile Glu Asp Gly Ala Arg	
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Val Gly Phe Gln Val Glu Phe Leu Glu Leu Leu Phe His Phe His Gly	
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Thr Leu Arg Lys Leu Gln Leu Gln Glu Pro Glu Tyr Val Leu Leu Ala	
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Ala Met Ala Leu Phe Ser Pro Asp Arg Pro Gly Val Thr Gln Arg Asp	
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Glu Ile Asp Gln Leu Gln Glu Glu Met Ala Leu Thr Leu Gln Ser Tyr	
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330

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335 340

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Phe Ala Gly Ser Cys Glu Val Ser Lys Thr Gln Arg Arg His Cys Pro	60
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Ile Leu Ser Ala Glu Ala Leu Ala Leu Arg Arg Ala Lys Gln Ala Gln	95
85 90 95	
Arg Arg Ala Gln Gln Thr Pro Val Gln Leu Ser Lys Glu Gln Glu Glu	110
100 105 110	
Leu Ile Arg Thr Leu Leu Gly Ala His Thr Arg His Met Gly Thr Met	125
115 120 125	
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130 135 140	
His Gln Pro Leu Pro Thr Leu Ala Pro Val Leu Pro Leu Val Thr His	160
145 150 155 160	
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165 170 175	
Lys Asp Leu Pro Val Phe Arg Ser Leu Pro Ile Glu Asp Gln Ile Ser	190
180 185 190	
Leu Leu Lys Gly Ala Ala Val Glu Ile Cys His Ile Val Leu Asn Thr	205
195 200 205	
Thr Phe Cys Leu Gln Thr Gln Asn Phe Leu Cys Gly Pro Leu Arg Tyr	220
210 215 220	

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Gly	Ala	His	Thr	Arg	His	Met	Gly	Thr	Met	Phe	Glu	Gln	Phe	Val	Gln	
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Phe	Arg	Pro	Pro	Ala	His	Leu	Phe	Ile	His	His	Gln	Pro	Leu	Pro	Thr	
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cgt	tcc	ctg	ccc	att	gaa	gac	cag	atc	tcc	ctt	ctc	aag	gga	gca	gct	288
Arg	Ser	Leu	Pro	Ile	Glu	Asp	Gln	Ile	Ser	Leu	Leu	Lys	Gly	Ala	Ala	
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Asp Glu Ile Asp Gln Leu Gln Glu Glu Met Ala Leu Thr Leu Gln Ser	
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Val Glu Ile Cys His Ile Val Leu Asn Thr Thr Phe Cys Leu Gln Thr	
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Gln Asn Phe Leu Cys Gly Pro Leu Arg Tyr Thr Ile Glu Asp Gly Ala	
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Gly Thr Leu Arg Lys Leu Gln Leu Gln Glu Pro Glu Tyr Val Leu Leu
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Ala Ala Met Ala Leu Phe Ser Pro Asp Arg Pro Gly Val Thr Gln Arg
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Asp Glu Ile Asp Gln Leu Gln Glu Met Ala Leu Thr Leu Gln Ser
 180 185 190

Tyr Ile Lys Gly Gln Gln Arg Arg Pro Arg Asp Arg Phe Leu Tyr Ala
 195 200 205

Lys Leu Leu Gly Leu Leu Ala Glu Leu Arg Ser Ile Asn Glu Ala Tyr
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Gly Tyr Gln Ile Gln His Ile Gln Gly Leu Ser Ala Met Met
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aaggagcaa 69

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